

R. MICHAEL HERRAN PE, CEM, GBE

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I am a registered Mechanical Engineer in the state of North Carolina with extensive hands-on experience in sustainable facility maintenance and operations, energy conservation and building automation, mainly focusing on municipal and private projects. Currently I am doing consulting, project management and design development for an OEM in the water reclamation industry. Recently, I served as a contract Resource Efficiency Manager for a Department of Defense's prominent Air Force Base in Germany. I generated energy models, Building Life Cycle Costing reports and project justification funding requests for a wide variety of internal and exterior energy sustainability projects. As Director of Facilities Maintenance for a local six-campus community college, I directed over forty HVAC, Electrical General and Grounds maintenance personnel. During my previous employment as Technical Systems Division Manager for a large university - hospital, I managed over twenty HVAC, Controls, 24/7/365 Operations Center, and Bio-safety Level III shop personnel.

As a Professional Engineer and Certified Energy Manager, I have earned a track-record of success in the following areas:

- Identifying budget mechanisms and applying safety regulations, codes and other requirements in new and retrofit projects
- Project applications for critical needs areas like IT server farm, emergency generators and uninterrupted power supplies.
- Identifying and implementing performance based energy projects resulting in improved customer comfort and energy / utility cost savings
- Design and construction oversight of both in-house and outsourced energy, capital improvement and other budgeted projects and contracts
- Upgrading numerous malfunctioning building automation systems, conduct building commissioning and implementing critical new utility metering with state of the art instrumentation integration into the Campus Automation System (CAS)
- Leading facility site examinations both pre and post RFP and participate in respondent selection for RFP and RFQ, while working closely with procurement
 - Preparing solicitation for proposals (RFP) and qualification request (RFQ) document scopes of work for energy contracts and service contracts for Implementation while working closely with procurement
 - Expanding utilization of integrated automation systems via internet, palm-based equipment performance monitoring, and laptop technologies

- Participated in close coordination with IT personnel to implement CAS upgrades through the shared campus IT Ethernet network, to provide greater flexibility, security, and reliability with improved communications

My experience demonstrates performance in design, plan review, facilities operations, energy conservation, commissioning test and balancing, and operations of hospital - medical clinic - medical research facilities. I also have further experience in maintenance and operation of multi campus college facilities with an emphasis on safety and building system performance.

I am confident in my ability to meet and exceed your expectations and hope you will invite me to meet with you for to discuss further possibilities.

With best regards,

R. Michael Herran